KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(See Insti	ructions on Re	everse Sid	e)					
Оре	en Flow		•	.					N= 40				
Deliverability			Test Date: 4-3-14			API No. 15 15-071-20107 ~ 0000							
Company Horseshoe Operating, Inc.				_/ <u>_</u>	Lease Adams	ease , ,			' Well Number 1				
County Location Greeley C SW			Section 2		TWP 17S			W)	Acres Attributed 640		Attributed		
Field Bradshav	.,			Reservoi	r				hering Conne				
Completion Date				Plug Back Total Depth				DCP Midstream Packer Set at					
6/27/87			3034 Internal Diameter				None Perforations		То	<u> </u>			
asing Size Weight 5 10.5			4.04		er Set at 3055		2948		2989				
Tubing Size Weight 2.375 4.7		ht	Internal Diamete 1.995		2958		Perforations		То				
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing) Annulus				% (% Carbon Dioxide			% Nitrog	en	Gas G	Gas Gravity - G		
Vertical De		_			Pr	ressure Taps				(Meter	Run) (P	rover) Size	
Pressure E	Buildup:	Shut in	4-2	20 14at	8:00	2 (AM) (PM)	Taken	4-	3	14 at 8:0	00	(AM)(PM)	
Well on Line:		Started20						· 20				(AM) (PM)	
					OBSER	VED SURFAC	E DATA			Duration of Shut	-in	34 Hours	
Static / Orifice Dynamic Size Property (Inches) Shut-in 75/		Circle one: Meter Prover Press	Differential in	iemperature	Well Hea Temperatu	Wellhead	Casing Welihead Pressure (P _w) or (P ₁) or (P ₂)		ubing ad Pressure (P ₁) or (P ₀)	Duration (Hours)		id Produceσ (Barrels)	
		psig (Pm)	Inches H ₂ 0	 	 	psig	psia	psig	psia	24	 		
Flow	.750	<u> </u>		 		_	80	-		V1-1	+		
1.		<u> </u>		-l	FLOW S	TREAM ATTR	IBUTES	I					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or rover Pressure psia Pmxh		Gravity Factor F _s		Flowing Temperature Factor Fn	Dev Fa	iation	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
191010			 	1		- 11	+						
				(OPEN EL	OW) (DEI	 .IVERABILITY	CALCIII	ATIONS					
o _c)² =	:	(P _w) ² =	=:	P _d =	7. (DEL) CALCUL ² - 14.4) +		, :	(P _a)	2 = .0.2 2 =	.07	
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		P _c) ² - (P _w) ²	Choose formula 1 or 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _c	LOG of formula 1, or 2. and divide	P.2 - P.2	Backpressure Slope = "n			.og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
; [;													
open Flow	,		Mcfd @ 14	.65 psia		Deliverab	ility	-		1cfd @ 14.65 psi	ia		
The ur	ndersigne	-	n behalf of the			•	15	make the	e above repor	t and that he ha	s know	ledge of 20 14.	
· .		Witness ((if any)					Jan	ice K	plej	⊀C (S WIC ł	
		For Comm	nission					<u> </u>	· Check	ed by	AP	R 17 2 0	
		r or Coult	Joioti						Olleck	u,			
											F	RECEIVE	

l dec	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt st	atus under Rule K.A.R. 82-3-304 on behalf of the operator
and that t	the foregoing pressure information and statements contained on this application form are true and
correct to	the best of my knowledge and belief based upon available production summaries and lease records
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
I here	by request a one-year exemption from open flow testing for the <u>Adams</u>
gas well c	on the grounds that said well:
	(Check one)
	is a coalbed methane producer ,
	is cycled on plunger lift due to water
	is a source of natural gas for injection into an oil reservoir undergoing ER
	is on vacuum at the present time; KCC approval Docket No
	is not capable of producing at a daily rate in excess of 250 mcf/D
I furth	ner agree to supply to the best of my ability any and all supporting documents deemed by Commissic
	ecessary to corroborate this claim for exemption from testing.
4	1-15-14
)ate:/_	
	Signature: Janual Ripley
	Mundualian Mikistant

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under OBSERVED SURFACE DATA. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption IS denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.